SEQUENCE LISTING

<110> Conklin, Darrell C. Haldeman, Betty A.	
<120> MAMMALIAN CYTOKINE-LIKE POLYPEPTIDE-10	
<130> 97-72	
<150> 09/199,586 <151> 1998-11-25	
<150> 60/066.597 <151> 1997-11-26	
<160> 43	
<170> FastSEQ for Windows Version 3.0	
<210> 1 <211> 926 <212> DNA <213> Homo sapiens	
<220> <221> CDS <222> (45)(572)	
<400> 1 ctttgaattc ctagctcctg tggtctccag atttcaggcc taag atg aaa gcc tct	56
Met Lys Ala Ser	50
agt ctt gcc ttc agc ctt ctc tct gct gcg ttt tat ctc cta tgg act Ser Leu Ala Phe Ser Leu Leu Ser Ala Ala Phe Tyr Leu Leu Trp Thr 5 10 15 20	104
cct tcc act gga ctg aag aca ctc aat ttg gga agc tgt gtg atc gcc Pro Ser Thr Gly Leu Lys Thr Leu Asn Leu Gly Ser Cys Val Ile Ala 25 30 35	152
aca aac ctt cag gaa ata cga aat gga ttt tct gac ata cgg ggc agt	200

Thr Asn Leu	Gln Glu Ile 40	Arg Asn Gly 45	Phe Ser	Asp Ile Arg 50	Gly Ser	
		aac att gac Asn Ile Asp 60	-			3
		aag cct gcg Lys Pro Ala 75	_			5
		ctg gac agg Leu Asp Arg			-	4
		cgg aag atc Arg Lys Ile		•		2
		ctc cgg ctc Leu Arg Leu 125		- · · · · · · · · · · · · · · · · · · ·) J
		atg aag aaa Met Lys Lys 140	_			3
		cag gca gca Gln Ala Ala 155			000	5
		tgg atg gag Trp Met Glu			aaa 582	2
aggcatgacc c cttatttatg c gagaccatac t taatatattt a	ccaaaccacc a cattacttgc t ttgtataaga t atttattttt t	ttcgaggtc aag tctctttac tg tccttgcat ga ttttgtaat at gctattaat gt atatttata ac	tactagtc ttgtcttt ctttctgc atttaatt	ttgtgctggt (atgcatcccc (tattggatat (ttttacttgg (cacagtgtat 702 aatcttaatt 762 atttattagt 822	2 2 2 2

<211> 176 <212> PRT <213> Homo sapiens <400> 2 Met Lys Ala Ser Ser Leu Ala Phe Ser Leu Leu Ser Ala Ala Phe Tyr 10 Leu Leu Trp Thr Pro Ser Thr Gly Leu Lys Thr Leu Asn Leu Gly Ser Cys Val Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys 70 Cys Leu Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys 90 Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu 100 105 Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Ang Leu Cys His Ala 120 125 His Met Thr Cys His Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser Gln 135 140 Ile Leu Ser His Phe Glu Lys Leu Glu Pro Gln Ala Ala Val Lys 145 150 155 Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met Glu Glu Thr Glu 165 1.70 175 <210> 3 <211> 793 <212> DNA <213> Homo sapiens <220> <221> CDS <222> (45)...(497) <400> 3 ctttgaattc ctagctcctg tggtctccag atttcaggcc taag atg aaa gcc tct Met Lys Ala Ser 1

agt ctt gcc ttc agc ctt ctc tct gct gcg ttt tat ctc cta tgg act

56

Ser 5	Leu	Ala	Phe	Ser	Leu 10	Leu	Ser	Ala	Ala	Phe 15	Tyr	Leu	Leu	Trp	Thr 20		
													gtg Val			152	
													cgg Arg 50			200	
													agg Arg			248	
													ctc Leu			296	
									-				tac Tyr	-		344	
							_		_	-		-	aat Asn			392.	
													cag Gln 130			440	
			_	_		-		-			_		tgg Trp	_	~ ~	488	
	aca Thr 150		tag	gagga	aaa (gtgal	tgct	gc to	gcta	agaat	t ati	tcga	ggtc			537	
tgta gati	actaq tgtc1	gtc t ttt a	ttgt@ atgca	gctg(atcc	gt ca cc aa	acagt atctt	tgtai taati	t cti t gag	tatti gacca	tatg atac	cati ttgi	tact [.] tata	tgc 1 aga 1	ttcci tttti	ctttac ttgcat tgtaat attaat	597 657 717 777	

gtat	ttaa	att 1	tttt	ac												7	793
	<'a	210> 211> 212> 213>	151 PRT	o sap	oiens	5											
	<4	100>	4														
Met 1	Lys	Ala	Ser	Ser 5	Leu	Ala	Phe	Ser	Leu 10	Leu	Ser	Ala	Ala	Phe 15	Tyr		
Leu	Leu	Trp	Thr 20	Pro	Ser	Thr	Gly	Leu 25		Thr	Leu	Asn	Leu 30	Gly	Ser		
Cys	Val	Ile 35		Thr	Asn	Leu	G1n 40		Ile	Arg	Asn	Gly 45		Ser	Asp		
Пе	Arg 50		Ser	Val	Gln	Ala 55		Asp	Gly	Asn	Ile 60		Ile	Arg	Ile		
Leu 65		Arg	Thr	Glu	Ser 70	-	Gln	Asp	Thr	Lys 75		Ala	Asn	Arg	Cys 80		
	Leu	Leu	Arg	His 85		Leu	Arg		Tyr 90	Leu	•	_	Val	Phe 95		•	11.
Asn	Tyr	Gln	Thr 100		Asp	His	Tyr						Ser 110	Ser	Leu		:
Ala	Asn	Ser 115		Leu	Thr	Ile	Lys 120		Asp	Leu	Arg	Leu 125		Leu	G1u		
Pro	Gln 130		Ala	Val	Va1	Lys 135		Leu	Gly	Glu	Leu 140		Ile	Leu	Leu		
Gln 145		Met	Glu	Glu	Thr 150						110						
	<'a	210> 211> 212> 213>	253 DNA	o saj	oiens	6											
		400>	-				•										
ttga agaa ttta	cctto cacto ctgao	cag d	cctto tttg: acgg:	ctcto ggaa	ct go	ctgc gtgt	gttt gatc	t ato	ctcc acaa	tatg acct	gact tcag	tcct ggaa	tcc ata	actgo cgaa	ctagtc gactga atggat tcttaa		60 120 180 240 253
		210> 211>															

```
<212> DNA
       <213> Homo sapiens
       <400> 6
 attectaget cetgtggtet ceag
                                                                       24
       <210> 7
       <211> 25
       <212> DNA
       <213> Homo sapiens
       <400> 7
 ctctgctgcg ttttatctcc tatgg
                                                                       25
       <210> 8
       <211> 22
       <212> DNA
       <213> Homo sapiens
                                         <400> 8
tcccaaattg agtgtcttca gt
       <210> 9
       <211> 45
       <212> DNA
       <213> Homo sapiens
       <400> 9
 cacagettee caaattgagt gtetteagte cagtggaagg agtee
                                                                       45
       <210> 10
       <211> 747
       <212> DNA
       <213> Homo sapiens
       <400> 10
 ttttctgaca tacggggcag tgtgcaagcc aaagatggaa acattgacat cagaatctta
                                                                       60
                                                                      120
 aggaggactg agtctttgca agacacaaag cctgcgaatc gatgctgcct cctgcgccat
 ttgctaagac tctatctgga cagggtattt aaaaactacc agacccctga ccattatact
                                                                      180
 ctccggaaga tcagcagcct cgccaattcc tttcttacca tcaagaagga cctccggctc
                                                                      240
 tgtcatgccc acatgacatg ccattgtggg gaggaagcaa tgaagaaata cagccagatt
                                                                      300
 ctgagtcact ttgaaaagct ggaacctcag gcagcagttg tgaaggcttt gggggaacta
                                                                      360
 gacattette tgcaatggat ggaggagaca gaataggagg aaagtgatge tgctgctaag
                                                                      420
```

acca tgct agat tttt	itcto itcct itttt igcta	ett t etg d egt a ett a	acto catga natat natgt	gtact ittgt cttt	ta gt tc tt tc to ta at	cttg tatg gctat tttt	gtgct gcato stgga stact	ggt ccc tat	caca caato cattt	igtg :tta :att	tato atto agtt	ettat gagad caata	ctt a cca ata	atgca tactt tttat	caaacc attact cgtata cttatt ccacaa	480 540 600 660 720 747	
	<2 <2	210> 211> 212> 213>	614 DNA	sap	oiens	3											,
agga ttgc ctcc tgtc tgga gagc tact ttgt cttt	ctga iggac taag itgga itgga itcca tcctga ccttt cctga aatt	etg a gac taga taga taga taga taga taga t	acgo agtet ctat ccago ctcag agaca cttca gcato ctgga ctac	cttgc cagcc ggcag agaat aatac cggtc	ca aga ca ct cg ca gg ca gg ca tg ca ca ca ta	gacac ngggt gccaa gttgt gagga gcaga ngtgt	caaag cattt cgaag aaagt aggag catct	cct aaa ttt gct gat gat tat gac gac gac gac gac gac gac gac gac	actorial control contr	atc acc acca gggg gctg accc agca actt	gate agad tcaa aact ctaa aaac ttac gtat	getge eccet agaag agaat ecace ettge caaga	cct (cga (cga (cat cat (cat (cat (cat (cat (cat (cat	cetgo ceatt ceteo tetto tegao cetotto tetto tetto	atctta egccat eatact eggctc etgcaa ggtcaa etactg gcatga eaatat eaatgt	60 120 180 240 300 360 420 480 540 600 614	
	<2 <2	211> 212> 213> 400>	PRT Homo	sap	oiens	5			. 1								
Leu 1	Lys	Thr	Leu	Asn	Leu	Gly	Ser	Cys	Val 10	Ile	Ala	Thr	Asn	Leu 15	Gln		
_	Пе	Arg	Asn 20	Gly	Phe	Ser	Asp	Ile 25		Gly	Ser	Val	G1n 30	Ala	Lys		
Asp	Gly	Asn 35	Ile	Asp	Ile	Arg	Ile 40	Leu	Arg	Arg	Thr	Glu 45	Ser	Leu	Gln		
Asp	Thr 50		Pro	Ala	Asn	Arg 55	-	Cys	Leu	Leu	Arg 60		Leu	Leu	Arg		
Leu 65		Leu	Asp	Arg	Val 70 .		Lys	Asn	Tyr	G1n 75		Pro	Asp	His	Tyr 80		
	Leu	Arg	Lys	Ile 85		Ser	Leu	Ala	Asn 90		Phe	Leu	Thr	Ile 95			

```
Lys Asp Leu Arg Leu Cys His Ala His Met Thr Cys His Cys Gly Glu
         Glu Ala Met Lys Lys Tyr Ser Gln Ile Leu Ser His Phe Glu Lys Leu
                                     120
                                                          125
         Glu Pro Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu
             130
                                 135
                                                      140
         Leu Gln Trp Met Glu Glu Thr Glu
         145
                             150
               <210> 13
               <211> 127
               <212> PRT
               <213> Homo sapiens
               <400> 13
         Leu Lys Thr Leu Asn Leu Gly Ser Cys Val Ile Ala Thr Asn Leu Gln
                                              10
         Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg Gly Ser Val Gln Ala Lys
estaj sugstajnia (20)
                                         25
                                                              30
 obside AspiGly Asnille Aspille Argille Leu Arg Arg Thr Glu Ser Leu Gln
trungs kulita ita Beliri
                 35
                                     40
                                                          45
        Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu Leu Arg His Leu Leu Arg
                                 55
         Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr
                             70
                                                                      80
         Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Thr Ile Lys
         Lys Asp Leu Arg Leu Cys Leu Glu Pro Gln Ala Ala Val Val Lys Ala
                                          105
         Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met Glu Glu Thr Glu
                 115
                                     120
               <210> 14
               <211> 15
               <212> PRT
               <213> Homo sapiens
               <400> 14
         Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile
                                              10
                                                                  15
```

<210> 15 <211> 15

```
<212> PRT
       <213> Homo sapiens
       <400> 15
 Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr Thr
                  5
                                     10
                                                         15
       <210> 16
       <211> 15
       <212> PRT
       <213> Homo sapiens
       <400> 16
 Leu Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys
                                     10
       <210> 17
       <211> 15
       <212> PRT
********** <213> Homo sapiens
 <400> 17
 Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met
  1
                                     10
       <210> 18
       <211> 824
       <212> DNA
       <213> Mus musculus
       <220>
       <221> CDS
       <222> (71)...(598)
       <400> 18
 tgggagacat cgatagccct gattgatctc tttgaatttt cgcttctggt ctccaggatc
                                                                        60
 taggtgtaag atg aaa ggc ttt ggt ctt gcc ttt gga ctg ttc tcc gct
                                                                       109
             Met Lys Gly Phe Gly Leu Ala Phe Gly Leu Phe Ser Ala
              1
                              5
                                                   10
 gtg ggt ttt ctt ctc tgg act cct tta act ggg ctc aag acc ctc cat
                                                                       157
 Val Gly Phe Leu Leu Trp Thr Pro Leu Thr Gly Leu Lys Thr Leu His
```

25

						act Thr	-			-	-			_	_	205	
						agt Ser										253	
						act Thr										301	
						cgt Arg										349	
						acc Thr 100		_				-	-	_		.397	445 4 4 4 4 5 2
						ttt Phe										445	
						tgt Cys										493	••
						cac His								-		541	
						gaa Glu								_		589	
	atg Met 175		taga	atgaa	aag 1	tgga	gaggo	ct go	ctga	gaac	a cto	cctg	tcca			638	
agaa	atct	cag a	acct	cagca	ac ca	atga	agaca	a tg	gccc	cagg	tgc ⁻	tggc	att ⁻	tcta	ctcaaç	9 698	

818

824

agttccagtc ctcagcacca cgaagatggc ctcaaaccac cacccctttg tgatataact tagtgctagc tatgtgtata ttatttctac attattggct cccttatgtg aatgccttca tgtgtc <210> 19 <211> 176 <212> PRT <213> Mus musculus <400> 19 Met Lys Gly Phe Gly Leu Ala Phe Gly Leu Phe Ser Ala Val Gly Phe 10 Leu Leu Trp Thr Pro Leu Thr Gly Leu Lys Thr Leu His Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu Ile Arg Asp Ser Val Gln Ala Glu Asp Thr Asn Ile Asp Ile Arg Ile 55 60 Leu Arg ThroThr Glu Ser Leu Lys Asp Ile LystSer Leu Asp Arg Cys :75 70 Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg Val Phe Lys Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile Ser Ser Leu 100 105 Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys His Ser 115 120 125 His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr Ash Gln 👈 130 135 140 Ile Leu Ser His Phe Ile Glu Leu Glu Leu Gln Ala Ala Val Lys 150 155 Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met Glu Glu Met Leu 165 170 175 <210> 20 <211> 152 <212> PRT <213> Mus musculus <400> 20 Leu Lys Thr Leu His Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu Ile Arg Asp Ser Val Gln Ala Glu 20 25

```
Asp Thr Asn Ile Asp Ile Arg Ile Leu Arg Thr Thr Glu Ser Leu Lys
                                                                                                                                                  40
Asp Ile Lys Ser Leu Asp Arg Cys Cys Phe Leu Arg His Leu Val Arg
                                                                                                                              55
                                                                                                                                                                                                                                       60
Phe Tyr Leu Asp Arg Val Phe Lys Val Tyr Gln Thr Pro Asp His His
                                                                                                        70
Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Ile Ile Lys
Lys Asp Leu Ser Val Cys His Ser His Met Ala Cys His Cys Gly Glu
                                                              100
                                                                                                                                                                        105
Glu Ala Met Glu Lys Tyr Asn Gln Ile Leu Ser His Phe Ile Glu Leu
                                                                                                                                                   120
Glu Leu Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Gly Ile Leu
                                                                                                                             135
                                                                                                                                                                                                                                       140
Leu Arg Trp Met Glu Glu Met Leu
145
                                                                                                        150
                               <210> 21
                                                                                     A Company of the Comp
                               <211> 16
                               <212> PRT
                               <400> 21
Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu Ile Arg
     1
                                                                                                                                                                                             10
                               <210> 22
                                                                                                                                                   and the second of the second o
                               <211> 15
                               <212> PRT
                               <213> Mus musculus
                               <400> 22
Leu Asp Arg Val Phe Lys Val Tyr Gln Thr Pro Asp His His Thr
                                                                                                                                                                                              10
                               <210> 23
                               <211> 15
                               <212> PRT
                               <213> Mus musculus
                       <400> 23
Leu Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys
                                                                                                                                                                                              10
```

```
<210> 24
      <211> 15
      <212> PRT
      <213> Mus muculus
      <400> 24
Val Val Lys Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met
                                    10
      <210> 25
      <211> 144
      <212> PRT
      <213> Mus muculus
      <400> 25
Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu
                                    10
Ile Arg Asp Ser Val Gln Ala Glu Asp Thr Asn Ile Asp Ile Arg Ile
                                25
Leu Arg Thr Thr Glu Ser Leu Lys Asp Ile Lys Ser Leu Asp Arg Cys
Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg Val Phe Lys
Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile Ser Ser Leu
                    70
                                         75
Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys His Ser
                                     90
                                                         95
His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr Asn Gln
                                105
Ile Leu Ser His Phe Ile Glu Leu Glu Leu Gln Ala Ala Val Lys
        115
                            120
                                                 125
Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met Glu Glu Met Leu
    130
                        135
                                             140
      <210> 26
      <211> 144
      <212> PRT
      <213> Homo sapiens
      <400> 26
Cys Val Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp
```

```
Ile Arg Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile
Leu Arg Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys
                            40
Cys Leu Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys
Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu
Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys His Ala
                85
                                    90
                                                         95
His Met Thr Cys His Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser Gln
            100
                                105
Ile Leu Ser His Phe Glu Lys Leu Glu Pro Gln Ala Ala Val Lys
                            120
                                                 125
Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met Glu Glu Thr Glu
    130
                        135
                                             140
      <210> 27
  · . . <211> 38
      <212> PRT
  < <213> Homo sapiens
Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser Gln Ile Leu Ser His Phe
1 .
                 5
                                    10
                                                         15
Glu Lys Leu Glu Pro Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu
            20
                                25
                                                     30
Asp Ile Leu Leu Gln Trp.
        35
      <210> 28
      <211> 71
      <212> PRT
      <213> Homo sapiens
```

Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg

1 5 10 15

Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg

20 25 30

Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu

35 40 45

<400> 28

```
Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr
                                             60
Gln Thr Pro Asp His Tyr Thr
65
      <210> 29
      <211> 92
      <212> PRT
      <213> Homo sapiens
      <400> 29
Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg
Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg
                                25
Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu
Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr
                                             60
Gln Thr Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn
                    70
                                        75
Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys
                85
      <210> 30
      <211> 82
      <212> PRT
      <213> Homo sapiens
      <400> 30
Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu
                 5
                                    10
Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp
Leu Arg Leu Cys His Ala His Met Thr Cys His Cys Gly Glu Glu Ala
Met Lys Lys Tyr Ser Gln Ile Leu Ser His Phe Glu Lys Leu Glu Pro
```

70

Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln

75

Trp Met

```
<211> 36
           <212> PRT
           <213> Homo sapiens
           <400> 31
     Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu
                                         10
     Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp
                                     25
     Leu Arg Leu Cys
             35
           <210> 32
           <211> 61
           <212> PRT
           <213> Homo sapiens
           <400> 32
   Leu Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys His
lay ay 1476.
                      5..
                                         10
                                                              15
     Ala His Met Thr Cys His Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser
                 20
     Gin Ile Leu Ser His Phe Glu Lys Leu Glu Pro Gin Ala Ala Val Val
                                -40
     Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met
         50
                             55
                                                  60
           <210> 33
           <211> 756
           <212> DNA
           <213> Mus musculus
           <220>
           <221> CDS
           <222> (71)...(532)
           <400> 33
     tgggagacat cgatagccct gattgatctc tttgaatttt cgcttctggt ctccaggatc
                                                                            60
     taggtgtaag atg aaa ggc ttt ggt ctt gcc ttt gga ctg ttc tcc gct
                                                                           109
                 Met Lys Gly Phe Gly Leu Ala Phe Gly Leu Phe Ser Ala
                  1
                                  5
                                                       10
```

gtg ggt ttt ctt ctc tgg act cct tta act ggg ctc aag acc ctc cat

Val	Gly 15	Phe	Leu	Leu	Trp	Thr 20	Pro	Leu	Thr	Gly	Leu 25	Lys	Thr	Leu	His		
							-			_	gca Ala			_	-	•	205
						_			_	_	agg Arg	_	_			;	253
											ttc Phe					;	301
Thr	Pro					-	-	_		-	agc Ser		-			:	349
ttt Phe	ctt										cat His 105					(1) (1) 1) 1) 5	397: • • • • •
						-	_				aac Asn			-	-		445
											gta Val						493
					_	-		_			atg Met		tag	atga	aag		542
tgga ctca	cccc aaac	agg t	tgct cacco	ggcaf	tt to tg to	ctaci gatai	tcaaq taact	g agi t tag	ttcca gtgc1	agtc	ctca	agca	cca (cgaa	aagaca gatggo ttctao	;	602 662 722 756

<210> 34 <211> 154 <212> PRT <213> Mus musculus

<400> 34 Met Lys Gly Phe Gly Leu Ala Phe Gly Leu Phe Ser Ala Val Gly Phe Leu Leu Trp Thr Pro Leu Thr Gly Leu Lys Thr Leu His Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu 40 Ile Arg Asp Ser Val Ser Leu Asp Arg Cys Cys Phe Leu Arg His Leu 55 Val Arg Phe Tyr Leu Asp Arg Val Phe Lys Val Tyr Gln Thr Pro Asp 75 His His Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Ile 85 90 Ile Lys Lys Asp Leu Ser Val Cys His Ser His Met Ala Cys His Cys 100 105 Gly Glu Glu Ala Met Glu Lys Tyr Asn Gln Ile Leu Ser His Phe Ile 120 125 125 Glu Leu Glu Leu Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Gly 130 135 Ile Leu Leu Arg Trp Met Glu Glu Met Leu

<210> 35

145

<211> 130

<212> PRT

<213> Mus musculus

150

<400> 35

Leu Lys Thr Leu His Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln
1 5 10 15

Ala Ile Gln Lys Glu Phe Ser Glu Ile Arg Asp Ser Val Ser Leu Asp 20 25 30

Arg Cys Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg Val 35 40 45

Phe Lys Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile Ser 50 55 60

Ser Leu Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys 65 70 75 80

His Ser His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr

, Cita Bu

				85					90					95		
Asn	G1n	Ile	Leu 100	Ser	His	Phe	Ile	Glu 105		Glu	Leu	Gln	Ala 110		Val	
Val	Lys	Ala 115		Gly	Glu	Leu	Gly 120		Leu	Leu	Arg			Glu	Glu	
Met	Leu 130	113					120					125				
	<' ₂		27 DNA	o sap	oiens	5										
agat		400> atc 1		cagg	gt at	tcaa	aa									27
		210> 211>											٠.			
	· <.	212>	DNA	sa _l	oiens	5					• •		•			
gcga		400> tga 1	37 tctt1		· •		•				•	•				17
	<	210> 211>	25													
			DNA Mus	muso	culis	5										. •
tggo		400> gct (atct	tt c1	tcag										25
	<; <;		25 Dna		culis	5										
cttt		400> tct		aagad	ct ca	agtc					•					25
	<	210> 211> 212>														

<213> Mus musculis	
<400> 40 catcagaatt ttaaggacga ctgagt	26
<210> 41 <211> 25 <212> DNA <213> Mus musculis	
<400> 41 ggtggtcagg ggtctggtag acttt	25
<210> 42 <211> 23 <212> DNA <213> Mus musculis	
<400> 42 ggtgcatatt cctggtggct aga	23
<210> 43 <211> 25 <212> DNA <213> Mus musculis	
<400> 43 attgcagtgt aagggaatac agaga	25